

dol

SENSORS

MAKING SENSE IN YOUR PRODUCTION



PRODUCT SURVEY - CLIMATE SENSORS

Dol-sensors are a comprehensive program of sensors for automation in agriculture and industry

Dol-sensors are characterised by their ability to function in tough operational environments. A particular trait of the series is a long lifespan and a high degree of operating stability.



DOL 114 | No. 140252



DOL 15 | No. 140203



Plug | No. 311511

CLIMATE SENSORS

DOL 114 is a climate sensor for measuring relative humidity and temperature.

The sensor is intended for application in livestock houses but is also well suited for a number of industrial applications.

The product has a built-in amplifier which enables direct input to regulation systems. The sensor features two 0 to 10 volt analogue outputs with very low output resistances and full protection against short circuits and wiring failures.

The special sensor element and the built-in Teflon filter enables application in livestock houses with constantly high humidity. The sensor can be supplied with built-in connector or cable according to requirement.

Sensor is microprocessor-controlled and has a two-colour light emitting diode (LED) to communicate the operation status and the error diagnostic. Sensor can be supplied with blinded LED for applications where this is needed.

TYPE	NO.
DOL 114 HUMIDITY SENSOR	140252
DOL 114 HUMIDITY SENSOR – LED OFF	140255
DOL 114 HUMIDITY SENSOR INCL. PLUG	140254

DOL 15 is an all-purpose fully electronic temperature sensor

The electronics of the sensor are embedded in a special plastics, and the sensor is extremely suitable for use in places where robustness is essential.

DOL 15 has a built-in voltage amplifier (0.1 vrC), which enables direct connection to control unit. The sensing element is protected by a detachable cap, and it has been given an enamel coating to inhibit corrosion. Through the holes next to the cable entry, zero point and amplification can be adjusted. The sensing element in DOL 15 is made of a material whose electrical resistance varies with temperature.

To facilitate installation of DOL 15 use the enclosed clip or it may simply be suspended in the wire.

TYPE	NO.
DOL 15 TEMPERATURE SENSOR	140203



DOL 14HQ | No. 140216

CLIMATE SENSORS

DOL 14HQ is a highly accurate humidity sensor for measuring of the relative humidity of the air

The sensor has a built-in voltage amplifier 0.1 V/% RH, which enables a direct connection to a control unit. Due to a special coating of the sensor element, the sensor can be used in a polluted and damp environment.

Furthermore, the sensor element is protected by a detachable Teflon cap and the sensor can be supplied with a plug system, so it can easily be demounted and removed during cleaning of the livestock house.



DOL 17 | No. 102230

TYPE

NO.

DOL 14HQ HUMIDITY SENSOR	140216
DOL 14HQ HUMIDITY SENSOR W. CONNECTOR	140217

DOL 17 CO₂ sensor is used in connection with climate and production computers for monitoring or control of the climate by way of the CO₂ content of the house air.

The auto-calibration procedure of the CO₂ sensor compensates for aging of the infrared source and guarantees high reliability, long term stability and eliminates the need of periodical recalibration.

The sensor is supplied in a sturdy plastic housing, which protects against the harsh environment of the livestock house. A supplied plug system is used for connection so the sensor can easily be detached and removed from the livestock house during cleaning.

The plug system makes it possible to connect the sensor without ever opening the housing. The cap protects the plug from dirt and water when the sensor is detached.



DOL 17 M12 | No. 102097

TYPE

NO.

DOL 17 CO ₂ SENSOR 0-10,000 PPM	140225
DOL 17 M12 PLUG WITH CAP	140226

